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What is claimed is:

1.A high strength Mg based alloy, which contains 2 to 20 % of Al by weight; 0.1 to 10 % of Zn; 0.1 to 15 % of Sn; and 0.05 to 1.5 % of Mn.

5 2.A high strength Mg based alloy, which contains 2 to 20 % of Al by weight; 0.1 to 10 % of Zn; 0.1 to 15 % of Sn; and 0.05 to 1.5 % of Mn, and has crystal size of 10 to 300 μm.

3.A high strength Mg based alloy, which contains 18 to 20 % of Al by weight; 0.1 to 5 % of Zn; 0.1 to 10 % of Sn; and 10 less than 1.5 % of Mn, and has a tensile strength (x) at 20 °C larger than 240 MPa; and an elongation (y) larger than 0.5 % and at the same time larger than a value calculated by y = -0.295x + 78.

4.A high strength Mg based alloy, which contains 12 to 15 % of Al by weight; 0.1 to 5 % of Zn; 1 to 10 % of Sn; 0.1 to 0.5 % of Mn, and the remainder contains Mg more than 75 %.

5.A high strength Mg based alloy, which contains 12 to 15 % of Al by weight; 0.1 to 5 % of Zn; 1 to 10 % of Sn; 0.1 to 0.5 % of Mn; one kind or more than two kinds of elements selected from the group consisting of Ca, Si and rear-earth elements of which the total content is less than 5 %; at least one kind of element selected from the group consisting of Sr and Sb of which the total content is less than 1 %; and the remainder which is consisting essentially of Mg.

6.A Mg based casting alloy, which contains $\,$ 2 to 20 % of Al by weight; and 0.1 to 15 % of Sn.

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7.A Mg based casting alloy, which contains 2 to 20 % of Al by weight; 0.1 to 10 % of Sn; and less than 1.5 % of Mn.

8.A high strength Mg based alloy, which contains 10 to 15 %
of Al by weight; 0.5 to 3 % of Zn; 1.5 to 4.5 % of Sn; 0.05

9.A high strength Mg based alloy according to any one of

5 to 0.5 % of Mn; and the remainder which is consisting essentially of Mg.

claims 1 to 4, which contains one kind or more than two kinds of elements selected from the group consisting of Ca, Si and rear-earth elements of which the total content is less than 5 % by weight; and at least one kind of element selected from the group consisting of Sr and Sb of which

10.A Mg based casting alloy according to any one of claims
15 6 to 8, which contains one kind or more than two kinds of
elements selected from the group consisting of Ca, Si and
rear-earth elements of which the total content is less than
5 % by weight; and at least one kind of element selected
from the group consisting of Sr and Sb of which the total
20 content is less than 1 %.

the total content is less than 1 %.

11.A die cast article, which is molded using a molten metal of the alloy according to any one of claims 1 to 10.

12.A semi-solid mold article, which is molded using a molten metal of a mixture of liquid phase and solid phase of the alloy according to any one of claims 1 to 10.

13.A liquid crystal display front of personal computer, which made of the alloy according to any one of claims

11 and 12.

- 14.A main body upper case of a mobile type liquid crystal projector, which made of the alloy according to any one of claims 11 and 12.
- 5 15.An impeller of a home electric vaccum cleaner, which made of the alloy according to any one of claims
 - 16.A cover and case of a hand-potable telephone, which made of the alloy according to any one of claims $11\ \mathrm{and}$
- 10 12.
 - 17. A front cabinet of a television set, which made of the alloy according to any one of claims 11 and 12.
 - 18.A steering wheel core of a vehicle, which made of the alloy according to any one of claims 11 and 12.
- 15 19.A case body of a video-camera, which made of the alloy according to any one of claims 11 and 12.
 - 20.A rid of an MD player, which made of the alloy according to any one of claims 11 and 12.
- 21.A case body of a compact camera, which made of the 20 alloy according to any one of claims 11 and 12.